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Goal of the PALEOMAP Project

- ✦ The goal of the PALEOMAP Project is to illustrate the plate tectonic development of the ocean basins and continents, as well as the changing distribution of land and sea during the past 1100 million years.
- ✦ In the [Earth History](#) section of this website are full-color paleogeographic maps showing the ancient mountain ranges and shorelines, active plate boundaries, and the extent of paleoclimatic belts.

-  **NEW** App for iPad/iPhone, "Ancient Earth: Breakup of Pangea". A Scalable, Rotatable, and Completely Interactive PaleoGlobe Animation. Download from the App Store or visit our website, (www.ancient-earth.com), or search for "ancient earth" at the ([App Store](#))
-  3D movable Paleoglobes. Interactive 3D virtual object - globes that you and manipulate, rotate, and view from many angles. Times available: [Modern Globe](#), [Miocene \(20 Ma\)](#), [K/T boundary \(65 Ma\)](#), [Late Cretaceous \(80 Ma\)](#), [Early Cretaceous \(120 Ma\)](#), [Earliest Cretaceous \(140 Ma\)](#), [Pangea - earliest Jurassic \(200 Ma\)](#), early Permian (280 Ma).
-  **3D Paleogeographic Animations**. A sample of the new 3D topographic and bathymetric models that can be visualized as stunning 3D globes. 3D Animations of the [Latest Cretaceous](#), [Cretaceous](#), [Early Permian](#). and the [Middle Devonian](#).
-  **(Check these out!) Animations** you can view from your Browser. [PANGEA](#) [PRECAMBRIAN](#) [PALEOZOIC](#) [3D-CRETACEOUS](#) [3D-PERMIAN](#) [3D-LATE CRETACEOUS](#) [3D-EARLY DEVONIAN](#) [PACIFIC](#) [N. ATLANTIC](#) [GONDWANA](#) [GLOBAL TECTONICS](#) [NORTH POLE](#) [FUTURE](#) [INDIA](#) [CARIBBEAN](#) [PALEOCLIMATE](#)
-  In the [Climate History](#) section is a discussion of how and why the Earth's climate has changed through time.
-  **Future Maps** showing positions of continents in the future and formation of "[Pangea Ultima](#)"
-  **Paleo-Globes** (4" diameter spheres) Make your own Paleoglobe ! and [ESH-GIS 1.0](#) (ArcView), the first Earth History Geographic Information System.
-  In the [Methods](#) section, find out how these paleogeographic maps were made, what the scientific basis for the maps are, and what software was used to produce the maps.

- ✦ The Atlas has been 30 years in the making. In the [History of the Atlas](#) section describes the who, when, what and where that went into producing the Paleogeographic Atlas. A list of [Key References](#) is also provided.
- ✦ [License Information](#) If you would like to use PALEOMAP images or 3D digital models give us a call (888 288 0160) or email us at cscotese (at) gmail.com.

Research & Scientific Publications

The [Research](#) section of this website describes the current Research of the PALEOMAP Project. This Research includes:

- ✦ An Atlas of Plate Tectonic Reconstructions (back to 200 mya) with Antonio Schettino
- ✦ A set of 10 maps showing Plate Tectonics into the far future
- ✦ An animation of the Evolution of the North Pacific, with Warren Nokleberg, USGS and colleagues
- ✦ A Revised Set of Paleogeographic Maps (40 new maps back to 750 mya)
- ✦ A Global Database of Climatically Sensitive Lithofacies compiled by A. J. Boucot
- ✦ 4-dimensional globes, that spin and animate back through time
- ✦ For other Interesting Websites: [Links](#)

Teaching Material

The PALEOMAP Project publishes the results of its research in a variety of formats useful for teaching and research:

- ✦ [Atlases & Animations](#) Atlases & Animations showing the plate tectonic, paleogeographic, climatic, oceanographic, and biogeographic development of the earth during the last 1100 million years.

- ✳ Software (WIN & ArcView) that makes maps of the past, suitable for publication or for use in Earth Science labs and courses.
- ✳ Paleo-Globes (2", 4" & 6" diameter spheres) Hold the ancient world in your hands! **FREE STUFF!** (Free sample - Pangea Antenna Ball)
- ✳ ESH-GIS 2.0 **ESH-GIS 2.0** (ArcView) 46 time slices with reconstructed shapefiles. **FREE STUFF!** (Free Sample ArcView Time Slice)
- ✳ Teaching materials for labs, textbooks, classroom instruction, and museum exhibits.
- ✳ Quick Time animations illustrating plate motions and changing paleogeography.
- ✳ CD-ROMs with digital image files, animations and laboratory exercises for Introductory Geology Classes.
- ✳ Special Discounts for High School, Middle School & Secondary Schools
- ✳ **FREE STUFF! FREE STUFF!** (More Free Stuff is on it's way. Send me an email (cscotese (at) gmail.com) and tell me what else you would like to be able to download for free from this site.)

For more information

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